

Systems of Equations

Exercises

Directions: Solve each system of equations using the elimination method. Show your work and label the solution set.

1. $x + y = 5$ $x - y = 1$	2. $2x + 3y = 12$ $x - y = 4$
3. $3x + 2y = 8$ $x - y = 2$	4. $4x + 5y = 20$ $2x - 3y = 6$
5. $5x + 4y = 20$ $3x - 2y = 6$	6. $6x + 7y = 42$ $4x - 5y = 8$
7. $7x + 8y = 56$ $5x - 6y = 10$	8. $8x + 9y = 72$ $6x - 7y = 12$
9. $9x + 10y = 90$ $7x - 8y = 14$	10. $10x + 11y = 110$ $8x - 9y = 16$

11. $x + y = 5$
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14. $4x + 5y = 20$
 $2x - 3y = 6$
15. $5x + 4y = 20$
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16. $6x + 7y = 42$
 $4x - 5y = 8$
17. $7x + 8y = 56$
 $5x - 6y = 10$
18. $8x + 9y = 72$
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19. $9x + 10y = 90$
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20. $10x + 11y = 110$
 $8x - 9y = 16$

